

NEW PUBLICATIONS.

THE COMMON INSECTS. By A. S. PACKARD, Jr., 12mo, pp. 228. Salem: Naturalist's Agency. New-York: Dens & Neal.
The distinguished American entomologist, whose previous larger work on the study of insects has gained the place of a standard authority both among European and American naturalists, has here presented the fruits of original research in regard to the habits and forms of what may be called the domestic insects of common life. In the preparation of the work, the author has made considerable use of the writings of previous observers, but a large portion of its contents, as well as its general tone and expression, is founded on personal research and experiment. He justly regards books as the "maternal apron-strings" of natural science, and urges the student—*"a closer communion with nature,"* by which, whether he be "painter or poet, philosopher or insect-hunter of low degree, he will gain an intellectual strength and power of interpreting nature that is the gift of true genius." The method pursued in the volume is from the highest to the lowest, tracing the insect groups in their various transformations, from the honey-bee, the highest intelligence in the vast world of insects, to the parasitic mites which occupy so humble a seat in the order of existence. Nor does the author abstain from the legitimate discussion of theory. His mind is full of caution and modesty a tendency for dogmatism, but his statement of general principles is highly suggestive, and will awaken a profound interest among reflecting readers. In the common simple forms of insect life he finds a conclusive proof of unity of organization. He perceives the process of nature, which passes, by slight modifications of different parts, by the addition of wings and other organs, to countless changes in the archetypal form. Starting from the simplest kinds, as the spider, the grasshopper, and the Mayfly, in the earlier geological ages, we rise to the bees, with their complex forms, their diversified economy and wonderful instincts. In ascending this scale of being, we discern the upward progress from the grasshopper and fly to the beetle and the butterfly, and behold in the transition from saw-flies to bees, a loss of the lower characters, while in the wasps we see a constant and accelerating likeness to the bee form. The continuity of improving organizations, however, is often broken, and we meet with insects which recall the earlier and more elementary forms. Going back of the larval period, and studying the insect in the egg, we find a remarkable resemblance to each other in the earlier stages of the germ of a bee, a fly, or a beetle, suggesting that they are all pervaded by a common design or pattern. The question now arises, whether this ideal archetype does not become endowed with a definite existence, and become the ancestral form of all the insects that are now spread in shining myriads over the surface of the globe. A single aphid is the progenitor of a million offspring clustering on the same tree. Is not this life-giving force, in the author, the same in kind with the production of the living races of insects from a primal ancestor? While we see in one case the origin of individual forms, and cannot explain what it is that starts the life in the germ, and so unerringly guides the course of the growing embryo, it is logical to deny that the same life-giving force is concerned in the production of specific and generic forms. The law which governs the origin of species may seem no more discordant with known natural laws to those who come after us than those which govern the origin of sex. The present attempts to discover that law, remains the author, are neither illogical nor, judging by the impulse already given to the science of life, without valuable practical results. At all events, the theory of evolution is a powerful instrument, when judiciously used, "that must eventually wreathe many a secret from the grasp of nature." It has been adopted, according to Mr. Packard, by a large proportion of naturalists who find it indispensable in their researches, and who will continue to use it until found inadequate to the explanation of facts. Notwithstanding the present diversity few it will be acknowledged by all that the theory of evolution will be to biology what the nebular hypothesis is to geology, or the atomic theory to chemistry. While the evolution theory is as yet imperfect, and many objections, some seemingly insuperable, can be raised against it, it should be borne in mind that the nebular hypothesis is still comparatively crude and unsatisfactory, though indispensable as a working theory to the geologist; and in chemistry though the atomic theory may not be satisfactorily demonstrated some minds until an atom is actually brought to sight, it is yet invaluable in research." Nor does Mr. Packard share in the fears of some "timid good men" in regard to the religious consequences of the evolution theory. Many short-sighted persons, he remarks, complain that such a theory sets in the background the idea of a personal Creator. But he suggests that minds no less devout and of a more thoughtful temper, see the hand of a Creator not less in the evolution of plants and animals from pre-existent forms, through natural laws, than in the evolution of a Summer's shower through the laws discovered by the meteorologist. Indeed, the author in this, that to the student of nature, the evolution theory in biology, with the nebular hypothesis, and the grand law in physics of the correlation of forces, revealing the mode in which the Creator of the universe works in the world of matter, form a far nobler conception of the order of creation and its author, than was possible before those laws were discovered and applied to practical use. In this spirit, Mr. Packard proceeds to trace the ancestry of certain insects, presenting a series of curious and ingenious views, which though largely speculative in their character, call forth an interest, almost amounting to fascination, in the reflective student of nature. The narrative is without an immediate purpose, but to elucidate the history of man, formed in the image of God, may dwell. Her results are not the less marvellous because we are beginning to dimly trace the process by which they arise. It should not lessen our awe and reverence for Deity, with minds made to adore, we also essay to trace the movements of His hand in the origin of the forms of life."

Although dealing at length with some of the most intricate problems of animal life, the work is not without an immediate practical interest, instructing the farmer and the housewife concerning the annoying insect pests that infest their domains, and pointing out the means for their effectual extirpation. The lovers of order and neatness in the field and the dwelling, no less than the students of natural history, will find their account in the perusal of its pages.

THE LIFE OF ARCHBISHOP SPALDING. By J. L. SPEARLING, S. L. Lee, pp. 448. Concord Publishing Society.

The subject of this biography was one of the princes of the Catholic Church. Devotion to his religion was the master-passion of his soul. Her doctrines were to him the measure of truth, and her precepts the standard of moral perfection. His daily life was the embodiment of holiness, his most ardent ambition the spread of her authority, his dearest hope the conversion of her enemies. He presented himself in a type of character which is not often found even in the most devoted adherents of the Roman faith. His personality, accordingly, affords an interesting subject of study, for which ample materials are furnished in the present volume. He was descended from the Catholic pilgrims, who fled from religious persecution in England, and founded the Maryland colony, in 1634, fourteen years after the landing of the Puritans at Plymouth. His religion was thus bred in the bone, and tinctured the blood. It was no less a part of his ancestral inheritance than the color of his eyes or the texture of his hair. He was born in Kentucky in 1810, and baptized by a Catholic Father of apostolic renown. He was so frail and delicate a child that it was not thought he could long survive. His mother, who was a woman of singular purity and gentleness of character, cherished a greater tenderness for him than for her other children, and always called him her little bishop. He made his first communion when only ten years old, though he had never been to a Catholic school and had rarely received instruction from a priest. In 1826 he graduated at St. Mary's College in Kentucky, and though but sixteen had already resolved to consecrate his life to the priesthood. Soon after he entered the seminary at Bardstown as a student of theology, where he remained four years, and after gaining a high reputation for ability and scholarship was sent to Rome for the completion of his theological course in the Urban College. He always deemed it one of the greatest privileges of his life that he was permitted to visit Rome at so early an age, and drink in the doctrines and traditions of the Catholic Church at the fountain-head. He had just completed his twentieth year when he set sail for Europe. At this time he is described as a young man of a peculiarly attractive character, guileless and innocent as a child, with a purity of expression that might have passed for that of a beautiful girl, and bearing "from the backwoods of the West to the shrines of the Apostles a virgin heart untaught even by the breath of passion." The dream of his soul was the Church of God, the spouse of Christ, who is all fair, without spot or wrinkle; who though old, is ever young; and in this, his first love, he never in after-life proved untrue. The four years which he passed in Rome under the very shadow of the Papal Curia, had a marked influence on his future life. The genius of the place taught him lessons which he could not learn from books, and

the deep and abiding impression which he received there, were to be of lasting value.

MEMORIAL OF HORACE GREELEY. One portrait, with two portraits and illustrations, one pastoral scene, and being a sketch of the most interesting and best-known portion of his life, published in the *New-York Tribune*, and elsewhere. Price 17. For circulars, address ARMAGNAC & ROWE, Principals.

JACKSON MILITARY INSTITUTE. Tuxedo, N.Y. Established 1857. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.

YONKERS MILITARY INSTITUTE. Boarding School for boys, making military and naval training, Christian M.E. Method. Address J. M. Jackson, M.A., Principal.